

SECTION 09260  
GYPSUM BOARD SYSTEMS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Metal stud wall framing
- B. Metal channel ceiling framing
- C. Gypsum board and joint treatment
- D. Acoustic insulation

1.2 SUBMITTALS

- A. Submit the following in accordance with the requirements of Section 01300.
  - 1. Catalog data on metal framing, gypsum board, joint tape, joint compound and texturing materials.
  - 2. Manufacturer's installation instructions.
  - 3. Twelve inch square sample of gypsum board with texture finish.

1.3 QUALITY ASSURANCE

- A. Perform work in accordance with ASTM C840, GA-201, GA-214, GA-216 and GA-600.

1.4 REGULATORY REQUIREMENTS

- A. Conform to UBC for fire rated assemblies as follows:
  - 1. Fire rated partitions: listed assembly UL U465 for 1 hour rating, UL U411 for two hour rating
  - 2. Fire rated ceiling [and soffits]: listed assembly UL [edit as required]
  - 3. Fire rated shaft walls: listed assembly UL [edit as required]

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Georgia Pacific Corp.
- B. National Gypsum Company
- C. United States Gypsum Company

2.2 FRAMING MATERIALS

- A. Provide studs and tracks conforming to ASTM C645 and GA-600; 25 gage galvanized sheet steel, C shape, with knurled faces.
- B. Provide furring, framing and accessories conforming to ASTM C645 and GA-600.

- C. Provide fasteners conforming to ASTM C514 and GA-216.
- D. Provide adhesive conforming to ASTM C557 and GA-216.

## 2.3 GYPSUM BOARD MATERIALS

- A. Provide gypsum board conforming to ASTM C36 and ASTM E119, fire resistive, Type X, 5/8 inch thick, maximum practical length, with square cut ends and tapered edges.
- B. Provide moisture resistant gypsum board conforming to ASTM C630, 5/8 inch thick, maximum practical length, with square cut ends and tapered edges.
- C. Provide gypsum coreboard conforming to ASTM C442, 1 inch thick, maximum practical length, with square cut ends and tapered edges.

## 2.4 ACCESSORIES

- A. Provide acoustic insulation conforming to ASTM C665, preformed glass fiber batts, 3 1/2 inches thick, unfaced, friction fit type.
- B. Provide self-drilling, self-tapping screws, bolts, nuts and washers with hot dip galvanized finish.
- C. Provide corner beads of metal and paper construction.
- D. Provide edge bead conforming to ASTM C1047, GA-201 and GA-216.
- E. Provide joint materials conforming to ASTM C475, GA-201 and GA-216; reinforcing tape, joint compound, adhesive and water.
- F. Provide latex based texture finish materials.

## PART 3 EXECUTION

### 3.1 METAL STUD INSTALLATION

- A. Install studs at 16 inches on center, in accordance with manufacturer's instructions and ASTM C754.
- B. Refer to Drawings for locations of studding extending to the ceiling, through the ceiling, and to structure above.

### 3.2 ACOUSTICAL ACCESSORIES INSTALLATION

- A. Refer to Drawings for location of partitions with acoustical treatment.
- B. Install acoustic sealant at joint between gypsum board and floor, and to seal penetrations of partitions by conduit, pipe, ductwork, etc..
- C. Place acoustic insulation between studs, around cut openings, behind and around electrical and mechanical items within or behind partitions, and tight to items passing through partitions.

### 3.3 SHAFT WALL INSTALLATION

- A. Install in accordance with manufacturer's instructions to GA-600 requirements.

### 3.4 SUSPENDED CEILING GRILLAGE INSTALLATION

- A. Install grillage in accordance with ASTM C754.
- B. Suspend 1 1/2 inch furring channels from structural members with 8 gage wires at 48 inches on center, and within 6 inches of walls.
- C. Install furring channels at right angle to channels at 16 inches on center using formed clips.

### 3.5 GYPSUM BOARD INSTALLATION

- A. Install gypsum board in accordance with manufacturer's instructions.
- B. In non-fire rated partitions, erect single layers of gypsum board in most economical direction, with edges and ends occurring over firm bearing.
- C. In fire rated partitions erect single layer of gypsum board vertically, with edges and ends occurring over firm bearing.
- D. Install screws in accordance with manufacturer's instructions.
- E. In double layer installations, erect second layer perpendicular to first layer, secured to first layer with adhesive. Offset joints of second layer from joints of first layer.
- F. Treat cut edges and holes in moisture resistant gypsum board with sealant.
- G. Provide corner beads at exterior corners. Provide edge trim where gypsum board abuts dissimilar materials.

### 3.6 JOINT TREATMENT

- A. Tape, fill and sand exposed joints, edges and corners to produce smooth surface, ready for finish.
- B. Feather coats onto adjoining surfaces so that camber is maximum 1/32 inch.

### 3.7 TEXTURE FINISH

- A. Apply finish texture coating to attain a light sand finish.

### 3.8 TOLERANCES

- A. Maximum variation of finished gypsum board surface from true flatness is 1/8 inch in 10 feet in any direction.

END OF SECTION